

DECLARATION AND POWER OF ATTORNEYAttorney's Docket No. **COP1001 07959.105024**In re Application of: **Douglas A. Collins and Henricus P.C. Hogenkamp**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and sole inventor (OR a original, first and joint inventor) of the subject matter which is claimed and for which a patent is sought on the invention entitled: *Cobalamin Conjugates Useful as Antitumor Agents*, the specification of which was filed with the U.S. Patent and Trademark Office on October 16, 2000 as U.S. Patent Application No. 09/690,197.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
			Yes _____ No _____

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/159,873</u>	<u>October 15, 1999</u>	<u>60/129,733</u>	<u>April 16, 1999</u>
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
<u>PCT/US00/10100</u>	<u>April 15, 2000</u>	<u>pending</u>

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles Vorndran-45,315; Lisa K. Norton-44,977.

Send correspondence to: Sherry M. Knowles
King & Spalding
191 Peachtree Street, N.E., 45th Floor
Atlanta, Georgia 30303

Direct telephone calls at (404) 572-4600
Sherry M. Knowles

Full name of second inventor: Henricus P.C. Hogenkamp	Citizenship: United States
Inventor's signature <i>Henricus P.C. Hogenkamp</i>	Date: <i>Jan 29 / 01</i>
Residence and Post Office Address: 2211 Marion Road, Roseville, Minnesota 55113, U.S.A.	

BEST AVAILABLE COPY

DECLARATION AND POWER OF ATTORNEYAttorney's Docket No. **COP1001 07959.105024**In re Application of: **Douglas A. Collins and Henricus P.C. Hogenkamp**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. I believe I am a original, first and sole inventor (OR a original, first and joint inventor) of the subject matter which is claimed and for which a patent is sought on the invention entitled: *Cobalamin Conjugates Useful as Antitumor Agents*, the specification of which was filed with the U.S. Patent and Trademark Office on October 16, 2000 as U.S. Patent Application No. 09/690,197.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. *I understand that I have a duty of candor and good faith toward the Patent and Trademark Office*, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

<u>Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Under 35 USC §119</u>
			Yes _____ No _____

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

<u>60/159,753</u>	<u>October 15, 1999</u>	<u>60/129,733</u>	<u>April 16, 1999</u>
(Application No.)	(Filing Date)	(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter disclosed and claimed in the present application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
<u>PCT/US00/10100</u>	<u>April 15, 2000</u>	<u>pending</u>

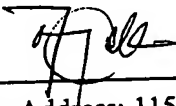
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

BEST AVAILABLE COPY

POWER OF ATTORNEY: The following are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Sherry M. Knowles-33,052; W. Scott Petty-35,645; Clark G. Sullivan-36,942; Holmes J. Hawkins-38,913; Steven P. Wigmore-40,447; Charles Vorndran-45,315; Lisa K. Norton-44,977.

Send correspondence to: Sherry M. Knowles
King & Spalding
191 Peachtree Street, N.E., 45th Floor
Atlanta, Georgia 30303

Direct telephone calls at (404) 572-4600
Sherry M. Knowles

Full name of sole or first inventor: Douglas A. Collins	Citizenship: United States
Inventor's signature 	Date: 1-28-01
Residence and Post Office Address: 1150 Meadowlark Court SW, Rochester, Minnesota 55902, U.S.A.	

BEST AVAILABLE COPY

1155.003PRV



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 06, 2000

PTAS

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH PA
GARY J. SPEIER
P.O. BOX 2938
MINNEAPOLIS, MINNESOTA 55402



101408223A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/23/2000

REEL/FRAME: 010918/0106
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
COLLINS, DOUGLAS A.

DOC DATE: 06/08/2000

ASSIGNEE:
MAYO FOUNDATION FOR MEDICAL
EDUCATION AND RESEARCH
200 FIRST STREET SW
ROCHESTER, MINNESOTA 55906

SERIAL NUMBER: 60129733
PATENT NUMBER:

FILING DATE: 04/16/1999
ISSUE DATE:

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Schwegman, Lundberg,
Woessner & Kluth, P.A.

SEP 14 2000
RECEIVED

07-20-2000



101408223

6-23-00

Atty. Ref/Docket No.: 1155.003PRV

To the Honorable Commissioner of Patents and Trademarks

...ents or copy thereof.

1. Name of conveying party(ies):

Douglas A. Collins

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

- [X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other _____

Execution Date: June 8, 2000

2. Name and address of receiving party(ies):

Name: Mayo Foundation for Medical Education and Research

Street Address: 200 First Street SW

City: Rochester State: MN ZIP: 55905

Additional name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 60/129,733, filed April 16, 1999

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gary J. Speier

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- [X] Enclosed
[] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our
Deposit account number: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gary J. Speier/Reg. No. 45,458
Name of Person Signing

Signature

Date

20 June 2000
Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)
07/20/2000 DNGUYEN 00000016 60129733

01 FC:581

40.00 DP

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

ASSIGNMENT

WHEREAS, I, Douglas A. Collins, residing at 1150 Meadowlark Court SW, Rochester, MN 55902, made certain new and useful inventions and improvements for which I filed an application for Letters Patent of the United States on April 16, 1999, which application is assigned U.S. patent application serial number 60/129,733, and is entitled COBALAMIN COMPOUNDS USEFUL AS IMAGING AGENTS AND AS ANTITUMOR AGENTS.

AND WHEREAS, Mayo Foundation for Medical Education and Research, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 200 First Street SW, Rochester, MN 55905, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns:

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand

this 8 day of JUNE, 2000.

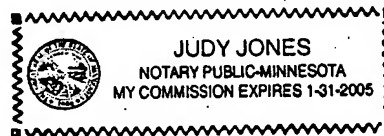
~~Douglas A. Collins~~

STATE OF MINNESOTA)
)ss.
COUNTY OF OLMSTED)

On this 8 day of June, 2000 before me personally appeared Douglas A. Collins to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Douglas A. Collins et al.

Title: COBALAMIN COMPOUNDS USEFUL AS IMAGING AGENTS AND AS ANTITUMOR AGENTS

Docket No.: 1155.003PRV

Filed: April 16, 1999

Examiner: Unknown

Serial No.: 60/129,733

Due Date: N/A

Group Art Unit: Unknown

Attn: Box Assignment

Hon. Commissioner for Patents and Trademarks

Washington, D.C. 20231

We are transmitting herewith the attached:

- ☒ An Assignment of the invention to Mayo Foundation for Medical Education and research (2 pgs.) and Recordation Form Cover Sheet (1 pg.).
- ☒ A check in the amount of \$40.00 to cover the Assignment Recording Fee.
- ☒ A return postcard.

Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described above, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Attn: Box Assignment, Hon. Commissioner for Patents and Trademarks, Washington, D.C. 20231, on this 20 day of June, 2000.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: [Signature]
Name: Gary J. Speier
Reg. No. 45,458
GJS:CMG:kll

1155.006PRV



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 06, 2000

PTAS
SCHWEGMAN, LUNDBERG, WOESSNER ET AL.
GARY J. SPEIER
P.O. BOX 2938
MINNEAPOLIS, MN 55402



101408231A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/23/2000

REEL/FRAME: 010918/0141
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
COLLINS, DOUGLAS A.

DOC DATE: 06/08/2000

ASSIGNEE:
MAYO FOUNDATION FOR MEDICAL
EDUCATION AND RESEARCH
200 FIRST STREET SW
ROCHESTER, MINNESOTA 55905

SERIAL NUMBER: 60159873
PATENT NUMBER:

FILING DATE: 10/15/1999
ISSUE DATE:

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Schwegman, Lundberg,
Woessner & Kluth, P.A.

SEP 14 2000
RECEIVED

07-20-2000

FORM PTO-1584
01-10-96:CMGU.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Atty Ref/Docket No.: 1155.006PRV

101408231

6-23-00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Douglas A. Collins

2. Name and address of receiving party(ies):

Name: Mayo Foundation for Medical Education
and Research

Street Address: 200 First Street SW

City: Rochester State: MN ZIP: 55905

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: June 8, 2000

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 60/159,873, filed October 15, 1999

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gary J. Speier

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our
Deposit account number: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gary J. Speier/Reg. No. 45,458
Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)
07/20/2000 DNGUYEN 00000009 60159873

01 FC:581

40.00 OP

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.


ASSIGNMENT

WHEREAS, I, Douglas A. Collins, residing at 1150 Meadowlark Court SW, Rochester, MN 55902, made certain new and useful inventions and improvements for which I filed an application for Letters Patent of the United States on October 15, 1999, which application is assigned U.S. patent application serial number 60/159,873, and is entitled COBALAMIN COMPOUNDS USEFUL AS IMAGING AGENTS AND AS ANTITUMOR AGENTS.

AND WHEREAS, Mayo Foundation for Medical Education and Research, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 200 First Street SW, Rochester, MN 55905, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

 **JUDY JONES**
NOTARY PUBLIC-MINNESOTA
MY COMMISSION EXPIRES 1-31-2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Douglas A. Collins et al.

Title: COBALAMIN COMPOUNDS USEFUL AS IMAGING AGENTS AND AS ANTITUMOR AGENTS

Docket No.: 1155.006PRV

Filed: October 15, 1999

Examiner: Unknown

Serial No.: 60/159,873

Due Date: N/A

Group Art Unit: Unknown

Attn: Box Assignment

Hon. Commissioner for Patents and Trademarks

Washington, D.C. 20231

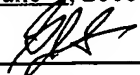
We are transmitting herewith the attached:

- ☒ An Assignment of the invention to Mayo Foundation for Medical Research (2 pgs.) and Recordation Form Cover Sheet (1 pg.).
- ☒ A check in the amount of \$40.00 to cover the Assignment Recording Fee.
- ☒ A return postcard.

Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described above, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Attn: Box Assignment, Hon. Commissioner for Patents and Trademarks, Washington, D.C. 20231, on this 20 day of June, 2000.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: 
Name: Gary J. Speier
Reg. No. 45,458
GJS:CMG:kil

1155.006PRV



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 06, 2000

PTAS
SCHWEGMAN, LUNDBERG, WOESSNER ET AL.
GARY J. SPEIER
P.O. BOX 2938
MINNEAPOLIS, MN 55402



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/23/2000

REEL/FRAME: 010918/0120
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HOGENKAMP, HENRICUS P.C.

DOC DATE: 06/07/2000

ASSIGNEE:
MINNESOTA, REGENTS OF THE
UNIVERSITY
200 OAK STREET SE
600 UNIVERSITY GATEWAY
MINNEAPOLIS, MINNESOTA 55455-2020

SERIAL NUMBER: 60159873
PATENT NUMBER:

FILING DATE: 10/15/1999
ISSUE DATE:

ANNE HARRELL, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Schwegman, Lundberg,
Woessner & Kluth, P.A.

SEP 14 2000
RECEIVED

FORM PTO-1584
01-10-96:CMG

R

07-20-2000



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Atty Ref/Docket No.: 1155.006PRV

101408229

6-23-00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Henricus P. C. Hogenkamp

2. Name and address of receiving party(ies):

Name: Regents of the University of Minnesota

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

- [X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other _____

Street Address: 600 University Gateway
200 Oak Street SE

City: Minneapolis State: MN ZIP: 55455-2020

Additional name(s) & address(es) attached? [] Yes [X] No

Execution Date: June 7, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 60/159,873, filed October 15, 1999

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gary J. Speier

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- [X] Enclosed
[] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our
Deposit account number: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gary J. Speier/Reg. No. 45.458
Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)
07/20/2000 DMBUYEN 00000011 60159873

01 FC:581

40.00 OP

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

ASSIGNMENT

WHEREAS, I, Henricus P. C. Hogenkamp, residing at 2211 Marion Road, Roseville, MN 55113, made certain new and useful inventions and improvements for which I filed an application for Letters Patent of the United States on October 15, 1999, which application is assigned U.S. patent application serial number 60/159,873, and is entitled COBALAMIN COMPOUNDS USEFUL AS IMAGING AGENTS AND AS ANTITUMOR AGENTS.

AND WHEREAS, Regents of the University of Minnesota, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 600 University Gateway, 200 Oak Street SE, Minneapolis, MN 55455-2020, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand

this 7 day of June, 2000.

HP C. Hogenkamp
Henricus P. C. Hogenkamp

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin

On this 7 day of June, 2000 before me personally appeared Henricus P. C. Hogenkamp to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Dorothy M. Foster
Notary Public



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Henricus P.C. Hogenkamp

Title: COBALAMIN COMPOUNDS USEFUL AS IMAGING AGENTS AND AS ANTITUMOR AGENTS

Docket No.: 1155.006PRV

Filed: October 15, 1999

Examiner: Unknown

Serial No.: 60/159,873

Due Date: N/A

Group Art Unit: Unknown

Attn: Box Assignment

Hon. Commissioner for Patents and Trademarks

Washington, D.C. 20231

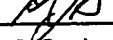
We are transmitting herewith the attached:

- ☒ An Assignment of the invention to Regents of the University of Minnesota (2 pgs.) and Recordation Form Cover Sheet (1 pg.).
- ☒ A check in the amount of \$40.00 to cover the Assignment Recording Fee.
- ☒ A return postcard.

Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described above, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Attn: Box Assignment, Hon. Commissioner for Patents and Trademarks, Washington, D.C. 20231, on this 20 day of June, 2000.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: 
Name: Gary J. Speier
Reg. No. 45,458
GJS:CMG:kll

1155.003PKV



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 06, 2000

PTAS

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH PA
GARY J. SPEIER
P.O. BOX 2938
MINNEAPOLIS, MN 55402



101408230A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/23/2000

REEL/FRAME: 010918/0127
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HOGENKAMP, HENRICUS P.C.

DOC DATE: 06/07/2000

ASSIGNEE:
MINNESOTA, REGENTS OF THE
UNIVERSITY
600 UNIVERSITY GATEWAY, 200 OAK
STREET SE
MINNEAPOLIS, MINNESOTA 55455-2020

SERIAL NUMBER: 60129733
PATENT NUMBER:

FILING DATE: 04/16/1999
ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Schwegman, Lundberg,
Woessner & Kluth, P.A.

SEP 14 2000
RECEIVED

FORM PTO-1584
1-10-96:CMG

07-20-2000



101408230

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

6-23-00

Atty Ref/Docket No.: 1155.003PRV

To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Henricus P. C. Hogenkamp

OPR/FINANCE

2. Name and address of receiving party(ies):

Name: Regents of the University of Minnesota

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

Street Address: 600 University Gateway
200 Oak Street SE

3. Nature of conveyance:

- [X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other

City: Minneapolis State: MN ZIP: 55455-2020

Additional name(s) & address(es) attached? [] Yes [X] No

Execution Date: June 7, 2000

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 60/129,733, filed April 16, 1999

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gary J. Speier

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- [X] Enclosed
[] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our
Deposit account number: 19-0743

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gary J. Speier/Reg. No. 45,458
Name of Person Signing

Signature

Date

20 June 2000
Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

07/20/2000 DNBUYEN 00000010 60129733

01 FC:581

40.00 00

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

ASSIGNMENT

WHEREAS, I, Henricus P. C. Hogenkamp, residing at 2211 Marion Road, Roseville, MN 55113, made certain new and useful inventions and improvements for which I filed an application for Letters Patent of the United States on April 16, 1999, which application is assigned U.S. patent application serial number 60/129,733, and is entitled COBALAMIN COMPOUNDS USEFUL AS IMAGING AGENTS AND AS ANTITUMOR AGENTS.

AND WHEREAS, Regents of the University of Minnesota, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 600 University Gateway, 200 Oak Street SE, Minneapolis, MN 55455-2020, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand

this 7 day of June, 2000.

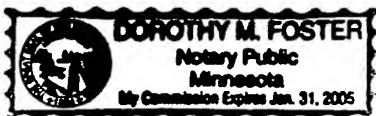
Henricus P. C. Hogenkamp
Henricus P. C. Hogenkamp

STATE OF Minnesota)
COUNTY OF Hennepin) ss.

On this 7 day of June, 2000 before me personally appeared Henricus P. C. Hogenkamp to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Dorothy M. Foster
Notary Public



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Henricus P.C. Hogenkamp

Title: COBALAMIN COMPOUNDS USEFUL AS IMAGING AGENTS AND AS ANTITUMOR AGENTS

Docket No.: 1155.003PRV

Filed: April 16, 1999

Examiner: Unknown

Serial No.: 60/129,733

Due Date: N/A

Group Art Unit: Unknown

Attn: Box Assignment

Hon. Commissioner for Patents and Trademarks

Washington, D.C. 20231

We are transmitting herewith the attached:

- ☒ An Assignment of the invention to Regents of the University of Minnesota (2 pgs.) and Recordation Form Cover Sheet (1 pg.).
- ☒ A check in the amount of \$40.00 to cover the Assignment Recording Fee.
- ☒ A return postcard.

Please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described above, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Attn: Box Assignment, Hon. Commissioner for Patents and Trademarks, Washington, D.C. 20231, on this 20 day of June, 2000.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: [Signature]
Name: Gary J. Speier
Reg. No. 45,458
GJS:CMG:kll